

# FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S15 3000

prepared for electric actuator  
DN 40 - 600 PN10/16

11.202



## Product description

- Flanged soft sealing gate valve with ISO top flange prepared for electrical actuator series 3000 for waste water
- Service temperature from 0°C (excluding frost) to 70°C

## Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 serie 15
- ISO top flange according to ISO 5210

## Tests

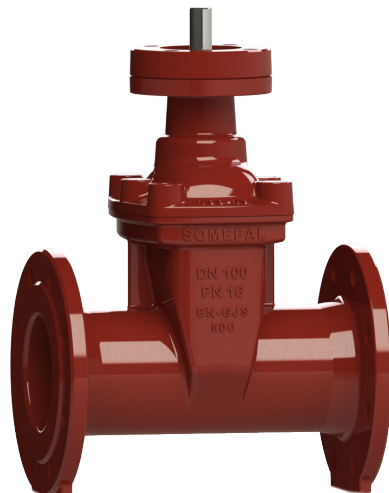
- All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:
- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

## Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

## Features

- Isolation valve for waste water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 600 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- ISO top flange according ISO 5210 for electric actuator or manual gearbox assembling
- Accessories: electric actuator or bevel gearbox.



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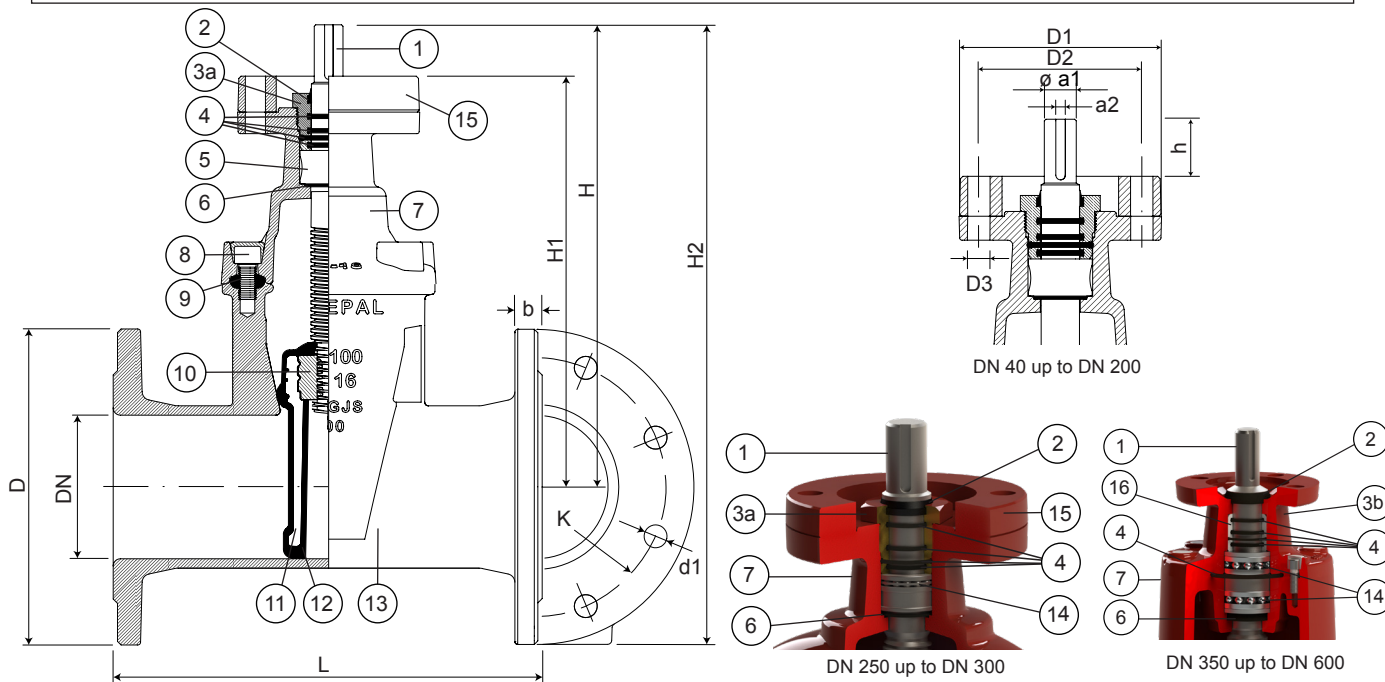
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## Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer NBR	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	O-ring	Elastomer NBR	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer NBR	EN 681 - 1
10	Wedge nut	Brass	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer NBR	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Gland bush	POM	

## Reference and dimensions

DN	PN	code	D	L	H	H1	H2	K	n° x d1	b	ISO 5210	D1	D2	n° x D3	ø a1	a2	h	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	flange	mm	mm	mm	mm	mm	mm		
40	10/16	10738500	150	240	207	177	282	110	4 x 19	19	F10	125	102	4 x 12	20	6	30	10	11
50	10/16	10738510	165	250	238	208	321	125	4 x 19	19	F10	125	102	4 x 12	20	6	30	13	13
60	10/16	10738520	175	270	250	217	338	135	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	15
65	10/16	10738530	185	270	250	217	343	145	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	15
80	10/16	10738540	200	280	286	253	386	160	8 x 19	19	F10	125	102	4 x 12	20	6	33	16	20
100	10/16	10738550	220	300	325	286	435	180	8 x 19	19	F10	125	102	4 x 12	20	6	39	20	24
125	10/16	10738560	250	325	362	323	487	210	8 x 19	19	F10	125	102	4 x 12	20	6	39	25	30
150	10/16	10738570	285	350	425	384	568	240	8 x 23	19	F10	125	102	4 x 12	20	6	41	30	44
200	10	10738580	340	400	505	459	683	295	8 x 23	20	F10	125	102	4 x 12	20	6	46	34	59
200	16	10738585	340	400	505	459	683	295	12 x 23	20	F10	125	102	4 x 12	20	6	46	34	59
250	10	10738590	400	450	595	545	805	350	12 x 23	22	F14	175	140	4 x 18	30	8	50	42	98
250	16	10738595	400	450	595	545	805	355	12 x 28	22	F14	175	140	4 x 18	30	8	50	42	98
300	10	10738600	455	500	670	620	898	400	12 x 23	24.5	F14	175	140	4 x 18	30	8	50	50	137
300	16	10738605	455	500	670	620	898	410	12 x 28	24.5	F14	175	140	4 x 18	30	8	50	50	137
350	10	10738610	505	550	940	875	1193	460	16 x 23	24.5	F14	175	140	4 x 18	30	8	65	67	257
350	16	10738615	520	550	940	875	1200	470	16 x 28	26.5	F14	175	140	4 x 18	30	8	65	67	261
400	10	10738620	565	600	940	875	1223	515	16 x 28	24.5	F14	175	140	4 x 18	30	8	65	67	280
400	16	10738625	580	600	940	875	1230	525	16 x 31	28	F14	175	140	4 x 18	30	8	65	67	283
450	10	10738630	615	650	1120	1055	1428	565	20 x 28	25.5	F14	175	140	4 x 18	30	8	65	71	451
450	16	10738635	640	650	1120	1055	1440	585	20 x 31	30	F14	175	140	4 x 18	30	8	65	71	468

Electric actuator with RPMs other than those mentioned, on request. For more information on the electric actuator consult the manufacturer's technical documentation.

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continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	H2 mm	K mm	n° x d1 mm	b mm	ISO 5210 flange	D1 mm	D2 mm	n° x D3 mm	∅ a1 mm	a2 mm	h mm	turns to open	Kg approx.
500	10	10738640	670	700	1120	1055	1455	620	20 x 28	26.5	F14	175	140	4 x 18	30	8	65	71	485
500	16	10738645	715	700	1120	1055	1478	650	20 x 34	31.5	F14	175	140	4 x 18	30	8	65	71	502
600	10	10738650	780	800	1370	1290	1680	725	20 x 31	30	F16	210	165	4 x 22	40	12	80	86	643
600	16	10738655	840	800	1370	1290	1710	770	20 x 37	36	F16	210	165	4 x 22	40	12	80	86	693



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